

ABSTRACT:**Soldering Method and Apparatus**

A soldering apparatus includes an inspection station downstream of the soldering station. While a first, soldered board is inspected at the downstream inspection station, a second board is collected from a first conveyor, soldered at the soldering station and returned to the first conveyor. If the first, inspected board fails inspection at the inspection station, the second board is moved to a second, upstream conveyor, so that the first board can be moved back on to the first conveyor for collection and re-soldering. The second board can then be moved forwards for inspection while the first board is being resoldered.